

metal powder and a particulate oxidizer that exothermically reacts with said metal powder, said metal powder including macro-agglomerates of metal particles, said metal particles having an average diameter less than about 0.1 μm and having an oxide layer that prevents contact of said particles with said oxidizer, said oxidizer having an average particle size of about 1 μm to about 30 μm , said metal powder being selected from the group consisting of electro-exploded aluminum powder, electro-exploded titanium powder, electro-exploded copper powder, electro-exploded zinc powder, and electro-exploded yttrium powder, wherein said ignition material deflagrates when the heating element is heated to a temperature of at least about 250°C.

Please cancel claims 4 and 5.

Please amend claim 6 as follows:

6. (Amended) The electrically actuatable igniter of claim 1 wherein the electro-exploded metal powder is electro-exploded aluminum.

Please cancel claim 20.

Please add new claims 22-25 as follows.

Rule 126 sub D1
Cont.
~~33~~ 22. The electrically actuatable igniter of claim 1 wherein said metal powder has a surface area of about 15 square meters per gram.

*34*²³. An electrically actuatable igniter comprising:
a pair of electrodes;
a heating element electrically connected between
said electrodes; and

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Cont.
an ignition material in contact with said heating
element, said ignition material comprising about 25% to about
50%, by weight of the ignition material, a metal powder and a
particulate oxidizer that exothermically reacts with said
metal powder, said metal powder including macro-agglomerates
of metal particles, said metal particles having an average
diameter less than about 0.1 μm and having an oxide layer that
prevents contact of said particles with said oxidizer, said
oxidizer having an average particle size of about 1 μm to about
30 μm , wherein said metal powder consists of electro-exploded
aluminum powder and said ignition material deflagrates when
the heating element is heated to a temperature of at least
about 250°C.

*35*²⁴. The electrically actuatable igniter of claim *34*²³
wherein said oxidizer is selected from the group consisting of
alkali metal nitrates, alkaline earth metal nitrates, alkali
metal perchlorates, alkaline earth metal perchlorates, alkali
metal chlorates, alkaline earth metal chlorates, ammonium
perchlorate, ammonium nitrate, and mixtures thereof.

*36*²⁵. The electrically actuatable igniter of claim *34*²³
wherein said ignition material upon deflagration produces an
ignition product with a temperature of about 3000°C to about
6000°C.
